

# Patent Abstracts of Japan

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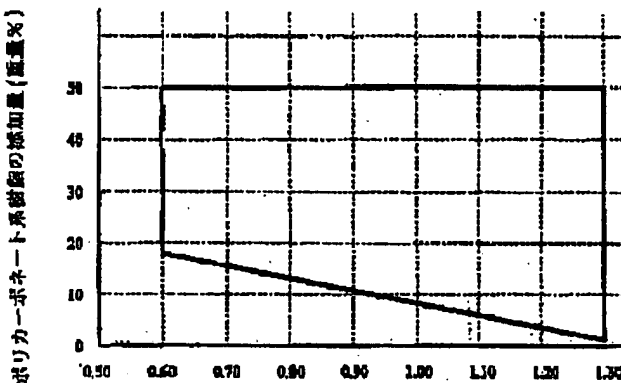
APPLICATION DATE : 04-11-97  
APPLICATION NUMBER : 09301946

APPLICANT : SEKISUI PLASTICS CO LTD;

INVENTOR : FUJISHIMA MINORU;

INT.CL. : C08J 9/04 C08L 67/02

TITLE : PRODUCTION OF THERMOPLASTIC  
POLYESTER RESIN FOAM



熱可塑性ポリエステル系樹脂の I. V. 値

ABSTRACT : PROBLEM TO BE SOLVED: To improve the low temperature shock resistance of a thermoplastic polyester resin, while the characteristics of the resin is maintained as such.

SOLUTION: This method for producing a thermoplastic polyester resin foam comprises adding a polycarbonate resin to a thermoplastic polyester resin having an I.V. value of 0.6-1.3 in an amount ranging from  $[(a)-0.25 \times (\text{the I.V. value of the thermoplastic polyester resin})] \times 100 \text{ wt.}\%$  [(a) is 0.33-0.35] to 50 wt. %, further adding a foaming agent, melt-blending the resin composition, and subsequently extruding the melted resin composition into a low temperature zone. The obtained thermoplastic polyester resin foam has a density of  $\leq 0.7 \text{ g/cc}$ .

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AN - 1999-367163 [31]

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FS - CPI

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MC - A05-E04E A05-E06B A07-A03A A08-B01 A11-B06A A12-P01B

PA - (SEKP ) SEKISUI PLASTICS CO LTD

PN - JP11140210 A 19990525 DW199931 C08J9/04 005pp

PR - JP19970301946 19971104

XA - C1999-108438

XIC - C08J-009/04 ; C08L-067/02

AB - JP11140210 A method for manufacturing a foamed body of a thermoplastic polyester resin comprises adding a polycarbonate resin in an amount of at least (a  $-0.25 \times \text{I.V. of the thermoplastic polyester resin}$ )  $\times 100$  wt.% to upto 50 wt%. and a foaming agent to the thermoplastic polyester having I.V. of 0.6-1.3, melt blending the resin mixture and then discharging to a low pressure environment to form a foamed thermoplastic polyester having a density of up to 0.7 g/cc.

- Also claimed is that the thermoplastic polyester is polyethylene terephthalate.

- USE - The foamed body of a thermoplastic polyester resin is used as heat resistant food container.

- ADVANTAGE - The foamed body of the thermoplastic resin has heat resistance and also a low temperature impact resistance.

- (Dwg.0/1)

IW - MANUFACTURE FOAM BODY HEAT RESISTANCE FOOD CONTAINER COMPRISE ADD POLYCARBONATE RESIN FOAM AGENT THERMOPLASTIC POLYESTER PREDETERMINED MELT BLEND RESIN DISCHARGE LOW PRESSURE ENVIRONMENT

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NC - 001

OPD - 1997-11-04

ORD - 1999-05-25

PAW - (SEKP ) SEKISUI PLASTICS CO LTD

TI - Manufacturing foamed body used as heat-resistant food containers - comprises adding a polycarbonate resin and a foaming agent to a thermoplastic polyester having a predetermined I.V., melt blending the resin and then discharging to a low pressure environment